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(54) METHOD FOR MIXING LIVING CELL OR MICROORGANISM WITH VISCOUS LIQUID

(57)Abstract:

PURPOSE: To obtain a homogeneous dispersion without degrading a biological system by using a static mixer in the mixing of living cells or microorganisms with a viscous liquid.

CONSTITUTION: A static mixer is used in the mixing of living cells or microorganisms such as antibody-producing cell, vegetable cell, E.coli or baker's yeast with a viscous liquid. The static mixer is preferably the one having a skeleton composed of mutually engaged and crossed webs such as Sulzer SMX static mixer supplied by Gebrueder Sulzer Aktiengesellschaft, Switzerland. The viscosity of the viscous liquid is preferably about 0.002-10 Pa.s., especially about 0.01-0.6 Pa.s.

